B4

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SITE Elliott Shooting Park
ID MOD980968337
BREAK 2.2
OTHER

6-19-86

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY KANSAS 66115

DATE June 19, 1986

MEMORANDUM

SUBJECT Elliott's Shooting Park, Raytown Missouri

FROM Charles P Hensley
Chief, EP&R/ENSV

TO Robert L Morby
Chief, SPFD/WSTM

Attached for your review is

_ Data Transmittal

X Work Plan

_ Trip Report

_ Preliminary Assessment

_ HRS Form with Supporting Documentation

_ Final Report of Site Investigation

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If you have any questions or comments, please contact Paul Doherty at 236-3888

Attachments

cc _ E&E

X LABO

_ EP&R

_ TOPE

_ RCRA

_ SPFD

_ EMCM

_

✓ John C Wicklund
Director ENSV

ecology and environment, inc.
FAIRWAY WEST OFFICE BLDG 4350 SHAWNEE MISSION PARKWAY SHAWNEE MISSION KS 66205 TEL 913-432 9961
International Specialists in the Environment

MEMORANDUM

TO Paul Doherty RPO

FROM Clark Gunion, REM/FIT

DATE June 18, 1986

SUBJECT Collection of soil/sediment samples from a lead processing machine at Elliotts Shooting Park, Raytown, Mo TDD #R-07-8604-13

INTRODUCTION

The U S Environmental Protection Agency (EPA) has tasked the Ecology & Environment Field Investigation Team (FIT) to oversee the lead removal project at the Elliott Shooting Park in Raytown, Missouri Lead removal work will be performed by the Kingston Construction Company of 3535 Broadway, Kansas City, Missouri The work requires the use of a lead recycling machine which is operated on-site The EPA has requested that the FIT collect a soil/sediment sample before and after the lead recycling process

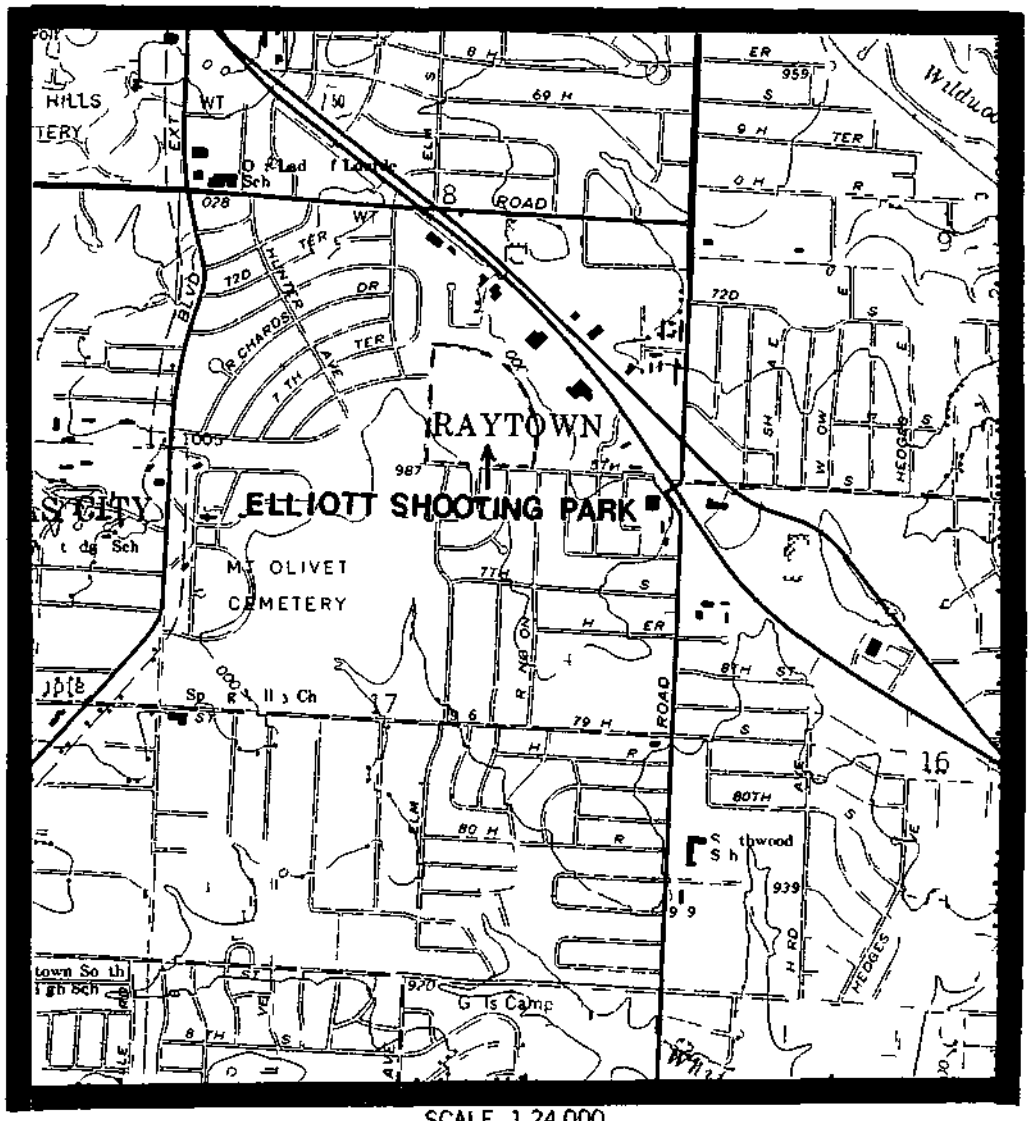
BACKGROUND INFORMATION

Elliott Shooting Park is a former "trap" and "skeet" shooting range established in 1934 The park remained active for over 50 years The almost 30 acre site located at 9500 East 75th Street (Figure 1), contains large amounts of lead shot in the surface soils (0-2') The EPA became concerned when information was presented concerning future development of this site The present owners of this site, Boatmens Bank, are willing to comply with any clean-up necessary before development The clean-up process, approved by EPA, requires the top two inches of contaminated soil be scrapped off, removal of lead from the soil and replacement of the clean soil

PROCEDURES

The lead recycling machine is an apparatus that utilizes a wet, "settling out" process to separate the lead from the soil The procedure for clean-up, as proposed by Kingston Construction, is shown in Figure 2 After the top two inches are scraped off, the soil is placed into a holding pile near the recycling machine A loader will "feed" the machine from the holding pile and water will be pumped to the machine from the holding pond The processed soil will wash out of the machine and settle in the trench whereupon the loader will

LEES SUMMIT QUADRANGLE
MISSOURI–JACKSON CO
7 5 MINUTE SERIES (TOPOGRAPHIC)



SCALE 1 24 000

1 0 1 MILE

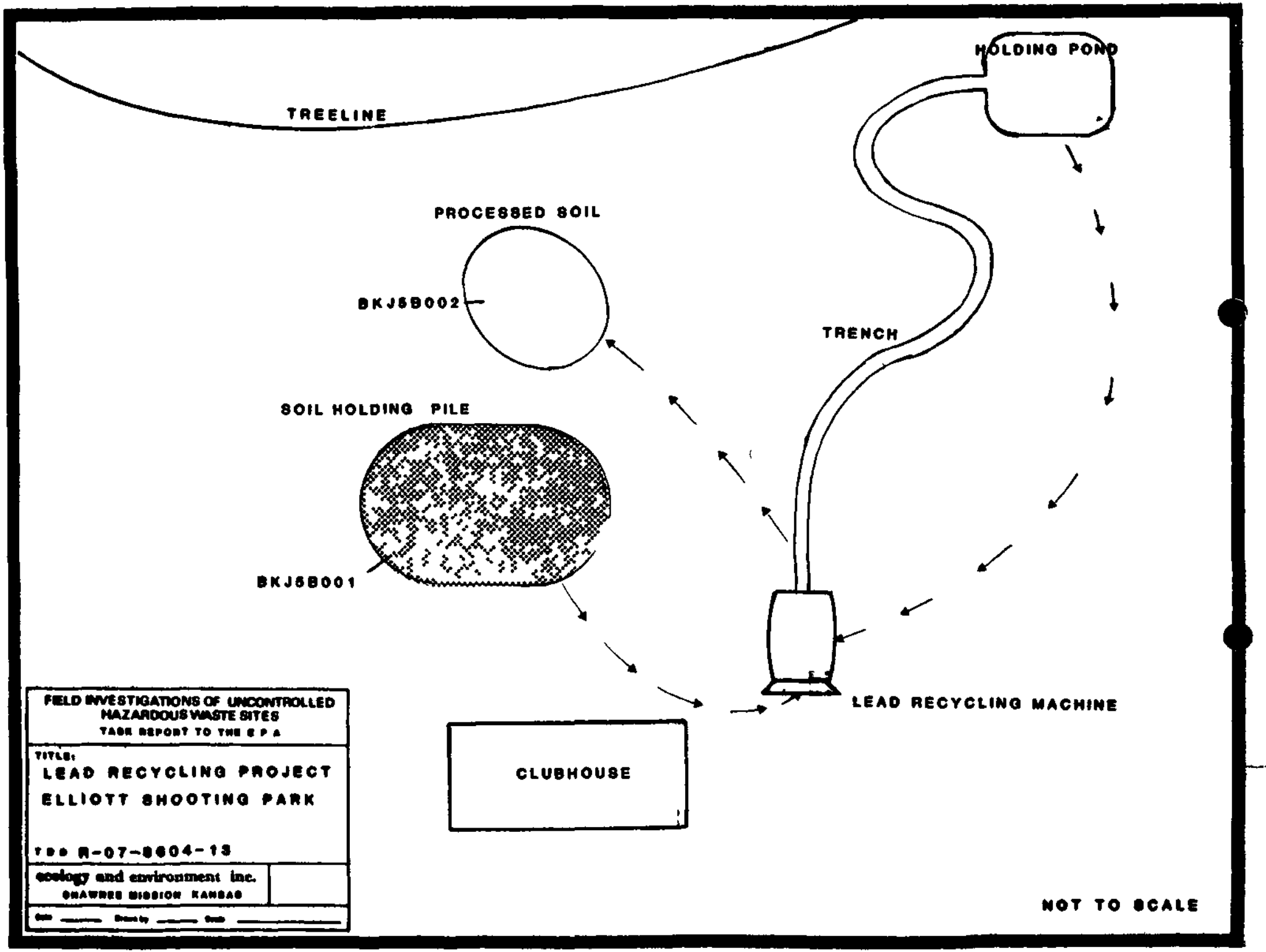
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET

QUAD A GL LOC TION

FIGURE 1



FIELD INVESTIGATIONS OF UNCONTROLLED HAZARDOUS WASTE SITES
TASK REPORT TO THE E P A

TITLE:
LEAD RECYCLING PROJECT
ELLIOTT SHOOTING PARK

TDD R-07-8604-13

ecology and environment inc.
SHAWNEE MISSION KANSAS

Date _____ Drawn by _____ Scale _____

retrieve and deposit the soil in the processed soil pile The lead will collect in the recycling machine for future recycling or sale The lead will be placed into 55-gallon drums as it is processed The FIT will collect one sample from the soil holding pile BKJ5B001, and one sample from the processed soil, BKJ5B002 These samples will show the lead concentration before and after processing indicating the effectiveness of the machine

The maximum processing capacity of the lead recycling machine is 80 cubic yards of soil per day Kingston Construction Company personnel estimate that 3500-4000 cubic yards of soil will be processed therefore at least 50 working days will be required for soil processing The FIT will monitor the progress of this project on a weekly basis For further background information on Elliott Shooting Park refer to Preliminary Assessment of Elliott Shooting Park in Raytown, Jackson County, Missouri, TDD #R-07-8503-05, June 25, 1985

PERSONNEL REQUIREMENTS

One person is needed to collect the two samples and monitor weekly progress on-site Under TDD #R-07-8604-13 80 hours have been alloted for this task

SAMPLE INFORMATION

The samples will be collected in aluminum pie pans with stainless steel spoons, homogenized and containerized in 8 oz glass jars Sample analysis will include metals, Task I&II, with the primary interest being lead

SITE SAFETY

Level C protection will be used by the FIT to include the Air Purifying Respirator with particulate cartridge, GMC-H and hard hat

EPA CONTACT

Mr Dave Crawford of EPA Superfund Branch at 726 Minnesota Avenue, Kansas City, Kansas phone (913) 236-2856, will be the contact for this site

SCHEDULE

The date for sampling is uncertain due to weather constraints The workers conducting the lead removal need dry soil conditions before stock-piling of contaminated soil can be conducted Once the soil is stock-piled, wet soil conditions will not be a factor in the lead processing procedure